

IN THE CLAIMS:

Please amend the claims hereinbelow wherein claim 10, 11, 13 and 14 stand for consideration and are being amended to more particularly point out and distinctly claim the subject invention, as follows:

- 1-9. (Canceled)
10. (Currently Amended) A plurality of amphibian oocytes wherein relative to a vertical axis Z-axis direction and an animal hemisphere of each amphibian oocyte being positioned in an upward direction relative to a vegetal hemisphere, each of said amphibian oocytes has mRNA positioned in a cytoplasm thereof at a depth relative to the vertical axis Z-axis direction in the range of 0.02-0.1 mm from a top surface of the animal hemisphere of each of said amphibian oocytes, wherein said mRNA is injected into the cytoplasm of each of said plurality of amphibian oocytes.
11. (Currently Amended) A plurality of amphibian oocytes according to claim 10, wherein the mRNA in each of the oocytes is injected with an injection amount identical to an injection amount in all others of the oocytes and at an injection area substantially identical to an injection amount and an injection area in all others of the oocytes.
12. (Canceled).
13. (Currently Amended) A method for screening a sample, comprising the steps of:
injecting, relative to a vertical axis Z-axis direction and an animal hemisphere of each of a plurality of amphibian oocytes being positioned in an upward direction relative to a vegetal hemisphere, mRNA which encodes a protein for initiating an interaction with said sample, into a cytoplasm of each of said plurality of amphibian oocytes such that the mRNA in each of said plurality of amphibian oocytes is positioned at a depth relative to the vertical axis Z-axis direction in the range of 0.02-0.1 mm from a top surface of each of the oocytes;
maintaining a membrane potential on each of the oocytes injected with the mRNA;

adding a solution to each of the oocytes maintained with the membrane potential, the mRNA being selected as a sample to encode a protein for initiating an interaction with said solution; and

measuring an electric response of each of the oocytes after the step of adding thereby discriminating whether the solution containing is interacting said sample based on the electric response.

14. (Currently Amended) A method for screening a sample according to claim 13, wherein the mRNA in each of the oocytes is injected with an injection amount identical to an injection amount in all others of the oocytes and at an injection area substantially identical to an injection amount and an injection area in all others of the oocytes.
15. (Canceled).